NETGEAR® PROSAFE®

ProSafe® Dual Band Light Wireless Access Point Data Sheet
WAGL102

Intelligent Networking Features for a Scalable, Secure Solution

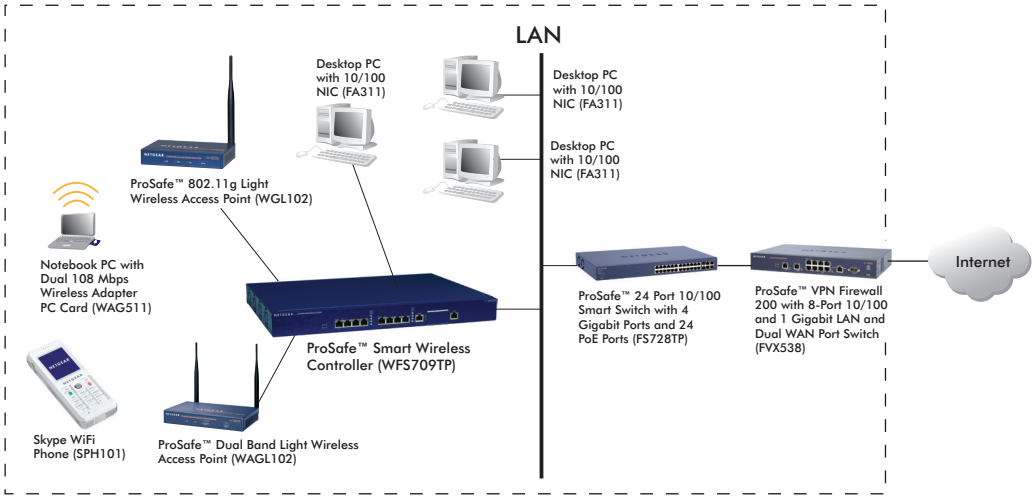
NETGEAR's ProSafe Dual Band Light Wireless Access Point WAGL102 delivers the secure, reliable, high-performance wireless local area networks (WLANs) today's mobile workforce demands. The WAGL102 Access Point supports both 5 GHz and 2.4 GHz 54 Mbps radio transmission in both 802.11g and 802.11a in turbo mode. It supports up to 128 simultaneous wireless clients and client types within the same coverage area. Managed and configured by the NETGEAR Prosafe Smart Wireless Controller, the WAGL102 is a "light" wireless access point which is part of the overall NETGEAR ProSafe Smart Wireless Solution. The WAGL102 supports integrated IEEE 802.3af Power over Ethernet (PoE).

Secure

Managed and configured by the NETGEAR ProSafe Smart Wireless Controller (WFS709TP), the WAGL102 is a "light" wireless access point that implements the 802.11 standard. As part of the centralized architecture, much of the security configuration such as WPA2-Enterprise (802.11i), WPA2 and 802.1x support happens at the NETGEAR ProSafe WFS709TP. The NETGEAR ProSafe Smart Wireless Controller also supports MAC address authentication, support for multiple BSSID/VLANs and guest/contractor access.

Versatile

As part of the NETGEAR ProSafe Smart Wireless Solution, the WAGL02 is cost-effective and simple to install and use. In addition, it's plenum rated—appropriate for placement above drop-down ceilings and under raised floors. Fitted with two powerful detachable 5 dBi antennas and compatible with NETGEAR's ProSafe 2.4 GHz antennas for expanded wireless capacity and range. Protected with a NETGEAR Lifetime Warranty†, the WAGL102 includes the embedded IEEE 802.3af Power over Ethernet (PoE) port which expands installation options by eliminating the need to locate the Light Wireless Access Point near a power outlet.


LAN
Desktop PC with 10/100 NIC (FA311)
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Desktop PC with 10/100 NIC (FA311)
ProSafe™ 802.11g Light Wireless Access Point (WGL102)
Notebook PC with Dual 108 Mbps Wireless Adapter PC Card (WAG511)
ProSafe™ Smart Wireless Controller (WFS709TP)
ProSafe™ 24 Port 10/100 Smart Switch with 4 Gigabit Ports and 24 PoE Ports (FS728TP)
ProSafe™ VPN Firewall 200 with 8-Port 10/100 and 1 Gigabit LAN and Dual WAN Port Switch (FVX538)
Internet
Skype WiFi Phone (SPH101)
ProSafe™ Dual Band Light Wireless Access Point (WAGL102)

24/7 TECHNICAL SUPPORT*

1-888-NETGEAR (638-4327)
Email: info@NETGEAR.com

NETGEAR PROSAFE LIFETIME WARRANTY†

Product Specifications

- **Wireless**
  - Standard: IEEE 802.11a up to 108 Mbps; 802.11g up to 108 Mbps Wireless Access Point
  - Antennas: Two (2) detachable antennas: (1) 5 dBi, 2.4 GHz and (1) 5 dBi 5 GHz
- **Physical Interfaces**
  - LAN Port: One (1) 10/100BASE-T Ethernet (RJ-45) port with Auto Uplink™ (Auto MDI-X) with IEEE 802.3af Power over Ethernet (PoE) support
  - Power adapter: 12V DC, 1.0A power supply; plug is localized to country of sale
  - Six (6) LEDs: Power, test, 100 Mbps, link/ACT, and WLAN 802.11g
  - Antenna connector: Two (2) reverse SMA antenna connectors
- **Managed by NETGEAR ProSafe Smart Wireless Controller (WFS709TP)**
- **Receive Sensitivity**
  - **802.11b**

2 Mbps	-94 dBm
5.5 Mbps	-92 dBm
11 Mbps	-90 dBm

  - **802.11g**

6 Mbps	- 91 dBm
9 Mbps	- 91 dBm
12 Mbps	- 90 dBm
18 Mbps	- 87 dBm
24 Mbps	- 85 dBm
36 Mbps	- 80 dBm
48 Mbps	- 75 dBm
54 Mbps	- 70 dBm

  - **802.11a**

6 Mbps	- 92 dBm
9 Mbps	- 91 dBm
12 Mbps	- 90 dBm
18 Mbps	- 86 dBm
24 Mbps	- 84 dBm
36 Mbps	- 79 dBm
48 Mbps	- 72 dBm
54 Mbps	- 70 dBm

- **Power Over Ethernet Required**
  - 6W
- **Standards, Safety and Electromagnetic Conformance**
  - IEEE 802.11g (2.4 GHz frequency band, DSSS modulation type)
  - IEEE 802.3af Power over Ethernet (PoE)
  - FCC Part 15 Subpart B and Subpart C
  - CE EN 60950-1 (2001), EN 301 489-17 V1.2.1 (2002), EN 301 489-1 V1.4.1 (2002), EN 300 328-1 (2001-12), EN 300 328-2 (2001-12), R&TTE Directive
  - 99/5/EC, CISPR 22 (B), AS/NZS 3548 (B)
  - Plenum rated
  - IEEE 802.11g (2.4 GHz frequency band, DSSS modulation type)
  - IEEE 802.11a
  - IEEE 802.3af Power over Ethernet (PoE)
  - FCC Part 15 Subpart B , Subpart C and E
  - C-Tick: AS/NZ 3548 Class B
  - CE EN 60950-1 (2001), EN 301 489-17 V1.2.1 (2002-08), EN 301 489-1 V1.4.1 (2002-08), EN 300 328-1 (2001-12), EN 300 328-2 (2003-4), EN 301893 (5 GHz), EN 60601, R&TTE Directive 99/5/EC
- **Physical Specifications**
  - Dimensions (h x w x d): 32 x 190.5 x 122 mm (1.25 x 7.5 x 4.8 in)
  - Weight: .62 kg (1.3 lb)
- **Environmental Specifications**
  - Operating temperature: 0° to 40° C (32° to 104° F)
  - Operating humidity: 90% maximum relative humidity, non-condensing
  - Warranty
  - Access point: NETGEAR Lifetime Warranty†
  - Power adapter: NETGEAR 3-year Warranty

System Requirements

- Windows® 98, Me, 2000 or XP
- 2 MB of available disk space

Package Contents

- ProSafe Dual Band Light Wireless Access Point (WAGL102)
- Two (2) 5 dBi detachable antennas
- Power adapter
- Ethernet cable
- Installation guide
- Warranty/support information card

NETGEAR Related Products

- **Antennas and Accessories**
  - ANT24O5 ProSafe 5 dBi Indoor Omni-directional Antenna
  - ANT2409 ProSafe 9 dBi Indoor/ Outdoor Omni-directional Antenna
  - ANT24D18 ProSafe 14 dBi Indoor/ Outdoor Directional Antenna
  - Five (5) antenna cable lengths: 1.5, 3, 5, 10
- **Controllers**
  - NETGEAR ProSafe Smart Wireless Controller (WFS709TP)
- **Access Points**
  - WGL102 ProSafe 802.11g Light Wireless Access Point

Ordering Information

- North America: WAGL102-100NAS
- Europe: WAGL102-100EUS
- Asia: WAGL102-100AUS

ProSupport™ Service Packs Available

- **OnCall 24x7, Category 1**
  - PMB0331NA
  - PMB0331EU
  - PMB0331-100AUS
- **XPressHW, Category 1**
  - PRR0331NA
  - PRR0331EU
  - PRR0331-100AUS

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*Free basic installation support provided for 90 days from date of purchase. Advanced product features and configurations are not included in free basic installation support; optional premium support available.

†Lifetime warranty for product purchased after 05/01/2007.